ASUREMENT BOOK

	Dimensions				
mber 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Surface Exavation in ordinary soil for levelling a
(other than foundation of Buildings, Culverts, road d
cables) and removing the Excavated Stuff to a
lift upto 1.5m, Excavated surface levelled
to be levelled after breaking of clods and neatly

0	14×	12×0.15 =		25.20 m³	

avation for foundation of Buildings, Culverts, wa
stl, either in pits (or) in trenches 1.5m and above
uding 1.5m in depth including dressing the bo
, Stacking the excavated soil clear from ex
50m, after breaking of clods complete as

×	12.5×	10.00×	1.50	= 187.50 m³	
	12.5×	10.00×	1.50 =	187.50 m³	
	Add 25%	=	=	46.87	

017 Net Amount

Assistant Executive Engineer,
Vidyaranyapura Sub Division

"First and final"

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 81072

No.............................

of work...From..To..

of Contractor of nature of Agency...

of commencement of work...

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		

Name of the work :- providing chain link fencing and other works to Indira Canteen opposite Chamundeshwari bus stop Doddabommasandra main road in ward no-10

Estimated cost :- Rs 15.65 Lakhs.

Job Number :- 010-18-000058 Head of Account :- P3106.

Name of the Agency :- Executive engineer, KRIDL, 17th 'C' main road, #280, 59th cross road, 3rd 'Y' Block, Rajajinagar, Bangalore-560010.

Work order number :- BBMP/EE/BTP/WO/139/2018-19. dated :- 27/09/2018

Period of completion :- Attached the work order copy.

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	① Earthwork Excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods etc., complete as per Specifications and directions of the in charge As per pre measurement vide of MB NO- 811 & Page NO-81094					68.04 m³	2590.96
			@ Rs 38.08			Rs	2591=00
	② providing and laying in position plain cement concrete of mix 1:3:6, with OPC cement @ 220 KGS with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed concrete laid in layers not exceeding 15cms thick, well compacted in foundations and plinth, including cost of all materials, labour, hire of machinery, curing etc., complete as per Specifications and directions of the in charge of the work. As per pre measurement vide of MB NO-811 & Page NO- 81094					9.45 m³	
			@ Rs. 5449.68			Rs	51499=00
	③ providing and constructing granite/trap/basalt size stone masonry in foundations with cement mortar 1:6, stone hammer dressed in courses not less than 20 cms high, band stones @ 2 m apart in each course including cost of materials, labour, curing, etc., complete as per Specifications and directions of the in charge of the work. As per pre measurement vide of MB NO-811 & Page NO- 81094 to 81095					207.90 m³	
				@Rs. 4521.96		Rs	940115=00

---

rial No.................................

me of work..

me of Contractor of nature of Ag

te of commencement of work....

ate 1	Full description, etc, of work 2
	④ providing and constr with cement mortar 1:6 15cms high, band stone labour curing etc., For chain link fencing
	⑤ providing ruled poi 2 mm deep, a tho cost of all materials mortar 1:4, etc., comp For chain link fen

EASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
umber 3	Length 4	Breadth 5	Depth 6	7	8

al mean in ordinary soil involving on average
and an average lift upto 0.5 m, excavated surface
d the disposed earth to be levelled neatly after
as per specification and directions of in charge
}

68.04 m³

@ Rs 38.08 Rs 2591=00

2590.96

s/m plain cement concrete of mix 1:3:6, with
mmand down size graded granite metal coarse
e aggregates @ 0.57 cum machine mixed concrete
mm thick, (well compacted in foundations and plinth,
labour, hoing machinery, curing etc., complete as
arge of the work.
811 }

9.45 m³

@ Rs. 5449.68 Rs 51499=00

ap/ basket size stone masonry in foundation with
dressed in courses not less than 20 cms high.
course including cost of materials, labour, curing,
and direction of us incharge of the work.
-811 }

207.90 m³

@ Rs. 4521.96 Rs 940115=00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 81073

ial No.............................

me of work...From......................................To......................................

me of Contractor of nature of Agency...

te of commencement of work...

te	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	④ providing and constructing granite rough/basket size stone masonry in basement with cement mortar 1:6. edges of stone chisel dressed in courses not less than 15 cms high, bond stones @ 2m apart in each course including cost of materials, labour curing etc., complete as per specifications and directions of us incharge of the work.						
	For chain link fencing -	2 ×	25 ×	0.45 ×	0.45 =	10.13 m³	
		2 ×	17 ×	0.45 ×	0.45 =	6.89 m³	
			net quantity		=	17.01 m³	
	27/10		@ Rs. 5405.40			Rs 91946=00	
	⑤ providing ruled pointing to coursed stone masonry with cement mortar 1:3. 20 mm deep, after raking joints to depth of 20 mm nicely, including cost of all materials labour, curing complete as per specifications cement mortar 1:4, etc., complete as per specifications and direction of us incharge of the work.						
	For chain link fencing -	2 ×	25 ×	0.45		= 22.50 m²	
		2 ×	17 ×	0.45		= 15.30 m²	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
			Net	Quantity	=	37.80 m²	
			@ Rs. 105.84			Rs	4001=00
	⑥ Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240 kgs with 40mm and down size graded granite metal coarse aggregate @ 0.878 cum and fine aggregate @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted in foundation and plinth including cost of all materials, labour, HOM of machinery, complete as per specification and direction of Incharge of the work. For Chain link fencing –	2 ×	25 ×	0.45 ×	0.10 =	2.25 m³	
		2 ×	17 ×	0.45 ×	0.10 =	1.53 m³	
			Net Quantity		=	3.78 m³	
			@ Rs 5876.28			Rs	22212=00
	⑦ Supplying and fixing M.S. rectangular poles made out of 2 equal angles of 65×656 mm welded together and fixed in CC (1:2:4) with 2 Nos 16mm dia M.S. hold fast rods each of length 25cms, including cost of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all lead & lifts and as per the direction of in charge of the work and including providing 2 coats of approved quality paint complete. For Chain link fencing –	2 ×	12 × 2.40			=	57.60 m	
	27/10	2 × 9 ×	2.40			=	43.20 m	

---

rial No.........................

me of work.........................

me of Contractor of nature of Agency..

te of commencement of work...........

ate 1	Full description, etc, of work 2
	⑧ providing and fixing removing the bends, cut vertical poles (M.S. rect back pipe including cost necessary with all lead a complete including two c etc. complete as per spec For chain link fencing – 27

...EASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
...umber 3	Length 4	Breadth 5	Depth 6	7	8

Net Quantity = 37.80 m²

Rs 4001=00

@ Rs. 105.84

...tion plain Cement Concrete of mix 1:2:4 wi mopecent
...ze graded granite metal coarse aggregates saturated @0.878 cum
...n machine mixed, concrete laid in layers not
...mpacted in foundation and plinth including cost of
...chinery, complete as per specification and directing in

2× 25× 0.45× 0.10 = 2.25 m³
2× 17× 0.45× 0.10 = 1.53 m³
= 3.78 m³

Net Quantity

Rs 22212=00

@ Rs 5876.28

...ectangular poles made out of 2 equal angles of 65×65×6
... in c.c (1:2:4) with 2 Nos 16mm dia M.S. hold fast
... including cost of all materials cutting, bending,
..., nicely finishing the welded joints with all lead
...on of w.i. incharge of the work and including providing 2
...nt complete.

2 × 12 × 2.40 = 57.60 m
2 × 9 × 2.40 = 43.20 m

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 81074

...ial No.......... To..........

...me of work.......... From..........

...me of Contractor of nature of Agency..........

...te of commencement of work..........

...te	Full description, etc, of work 2	Dimensions				Contents	Reference to last Measurement
		Number 3	Length 4	Breadth 5	Depth 6	7	8

Net Quantity = 100.80 m

Rs 89160=00

@ Rs. 884.52

⑧ Providing and fixing M.S. Block pipe of 38mm dia of heavy gauge 4/4 including
removing the bends, cutting the pipe, and fixing the pipe in between the two
vertical poles (M.S. rectangular poles) and spot welding the chain link with M.S.
bock pipe including cost of materials, wastage in cutting, and scaffolding wherever
necessary with all lead and lift as directed by the w.i. incharge of the work.
complete including two coats of approved quality paint over one coat of shop paint.
etc. complete as per specifications and directions of w.i. incharge of the work.

For chain link fencing

2 × 3 × 25.00 = 150.00 m
2 × 3 × 17.00 = 102.00 m
= 252.00 m

Net Quantity

@ Rs. 349.92

Rs 88180

C&C.

23/10

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		

⑨ Providing chain link fencing 50mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including supply of all materials, labour, leads & lifts and as per direction of in charge of the work including two coats of approved quality paint over one coat of shop paint etc.,) complete as per specifications and direction of in charge of the work.

For chain link fencing 2 × 25 × 1.5 = 75.00 m²

2 × 17 × 1.50 = 51.00 m²

~~Net Quantity = 126~~

Net Quantity = 126.00 M²

@ Rs. 711.72 Rs 89677=

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

CRS 23/10

⑩ Providing and fixing M.S gate as per the Chief architect drawing using 50mm × 50mm 14 gauge M.S hollow pipe frame work bent to ornamental shape as shown in the drawing and 25mm × 6mm and 16 × 16mm square rods for verticals alternatively spaced @ 4cms c/c in two halves and 40mm × 6mm M.S plates for horizontal members and at the top cast iron spikes are provided at alternative vertical members as shown in the drawing etc., complete all the steel surface should be cleaned thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work, includes

rial No.........................

me of work.........................

me of Contractor of nature of Age

te of commencement of work......

ate 1	Full description, etc, of work 2
	Cost of all materials Charges for welding (⑪ Grassings with including watering grass turfs @ thick supplying good ear Specification m. 30 complete as per spec

SUREMENT BOOK

er	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

mm size of 8 gauge properly stretched between
itable bolts and nuts, the free ends shall be
e at top and bottom as required including up to
lts and as per directions of m. incharge of the work
ality paint over one coat of shop paint etc.)
ting of m incharge of the work.
o 25 × 1.5 = 75.00 m²
o 17 × 1.50 = 51.00 m²

~~Net Quantity = 126~~
Net Quantity = 126.00 M²

27/10 @ Rs. 711.72 Rs 89677=00

s per the Chief architect drawing, using 50mm ×
frame work bent to ornamental, shape as
mm × 6mm. and 16 × 16mm square ords for
ping c/c in two halves and 40mm × 6mm
bers and at the top cast iron spikes are
comb as shown in the drawing etc., complete
cleaned thoroughly cleaned free of rust and
t (shop paint) etc., complete the work, includes

M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 81075

ial No. ....

me of work. .... From .... To ....

me of Contractor of nature of Agency ....

te of commencement of work ....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Cost of all materials, labour charges, for all items of work, wire
charges for welding complete as per specifications and direction of m incharge of the work.

CRFC 1 × 3.5 × 1.80 = 6.30 m²

27/10 @ Rs. 3168.72 Rs 19963=00

① Grassings with Doob grass KSHRB M300-2.1: grassing with Doob grass
including watering and maintaining lawn for 30 days or more till the
grass forms @ thick lawn free from weeds and fit for mowing including
supplying good earth if needed complete as per specifications. MORTH
specification no. 307. ii) in rows 7.5cms apart in either directions etc.,
complete as per specifications and direction of as incharge of the work.

1 × 9.00 × 11.50 = 103.50 m²

@ Rs. 97.20 Rs 10060=00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sub total —					Rs	1409404/-
	+ KRIDL charges @ 10% —					Rs	140940=00
	Third party inspection charges @ 1% —					Rs	14094=00
	Grand total —					Rs	1564438=00

10/10/2018

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

---

al No.............................

e of work.............................

e of Contractor of nature of Agen

e of commencement of work........

e	Full description, etc, of work 2
	INDEX :- 🟥 - work 🟦 - Bus Shelter

EASUREMENT BOOK

	Dimensions				Contents	Reference to last Measurement
	umber 3	Length 4	Breadth 5	Depth 6	7	8
Sub total —					Rs	1409404/-
arges @ 10% —					Rs	140940=00
an Charges @ 1% —					Rs	14094=00
Grand total —					Rs	1564438=00

10/10/2018.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Engineer
Division
galore

M.A.R. 57 (Rule 116)
Measurement Book

No. A/10 81076

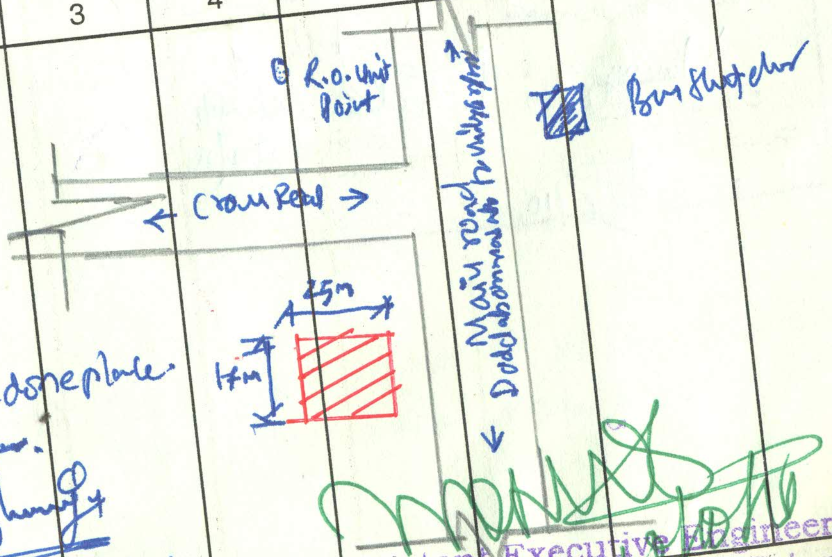
No. .... From .... To ....

e of work ....

e of Contractor of nature of Agency ....

e of commencement of work ....

	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



INDEX :-

🟥 - work done place.

▨ - Bus Shelter.

10/10/18

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 15.64438-

ಗಳಿಗೆ ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 166700-

ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1397738-

ರೂ Thirteen Lakhs ninety seven thousand Seven hundred thirty eight only

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

27/10 · 27/10

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು · ಕಾ ಪಾ ಅ

[illegible] ವಿಭಾಗ · [illegible]

ಬೃ. ಬೆ. ಮ. 26/10 · [illegible]

Total Rs: 15.64.438-00

IT-	31289-00
cly.	15644-00
CBF-	1564-00
LR	8693-00
CGST-	15644-00
SGST	15644-00
FSD-	78222-00

Dedn. 166700-00

Cheque: 1397.738-00

---

l No.............................

e of work..............................

e of Contractor of nature of Agen

of commencement of work........

e	Full description, etc, of work
	2
	Name of the work:
	Layout and cha
	Vidyaranyapura
	Estimated cost :-
	Job code/Indent
	Head of Account
	Name of the Age
	Work order num